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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
SEP - 4 1973

5a. Indicate Type of Lease: State ☐ Fee ☒
5. State Oil & Gas Lease No.:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER
7. Unit Agreement Name:
8. Farm or Lease Name: Merland C Com
9. Well No.: 1
2. Name of Operator: Cities Service Oil Company ✓
3. Address of Operator: Box 4906 - Midland, Texas 79701
10. Field and Pool, or Wildcat: ~~Undes.~~ S. Carlsbad Morrow
4. Location of Well: UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE OF SEC. 19 TWP. 22S RGE. 27E NMPM
12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
3-14-73	5-3-73	8-15-73	3165 DF	3151

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
11,732	11,687	-	→	0-T.D. 11,732	-

24. Producing Interval(s), of this completion — Top, Bottom, Name: 11,245 - 11,525 - Morrow
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: Compensated Neutron - Formation Density - Caliper - Gamma Ray, Dual Laterolog, Deviation Test
27. Was Well Cored: Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	340	17-1/2"	400 Sacks	Circ -
9-5/8"	36 & 40#	5264	12-1/4"	2560 Sacks	TS Surface 4"
5-1/2"	17 & 20#	11732	8-3/4"	700 Sacks	TOC 7500

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	11,037	11,010

31. Perforation Record (Interval, size and number)
2-0.33" Holes Each @ 11,245,246,253,264,265, 294,296,297,300,303,304,305,306,309,311,331, 332,333,341,374,375,411,413,414,415,421,456, 493 & 525.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
11,245-11,525	4500 Gals 7-1/2% MS Acid + 15 Tons CO_2 in 9 Stages + 72 Ball Sealers

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
5-12-73	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
8-15-73	2 Hrs.	10/64"		(One Flow Rate)			-

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
2700#	-			CAOF 1,406	-	-

34. Disposition of Gas (Sold, used for fuel, vented, etc.): SOLD
Test Witnessed By: J. L. Bussell
35. List of Attachments: Deviation Test
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED E. Fielder TITLE Region Operation Manager DATE August 31, 1973

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon	9380	T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	10030	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka	10692	T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp	8730	T. Dean	8365	T. Chinle		T.	
T. Penn.		T. Cherokee	10334	T. Permian		T.	
T. Cisco (Bough C)		T. Morrow	11009	T. Penn. "A"		T.	
		T. Chester	11615				

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	306	306	Surface Rock & Red Bed
306	1465	1159	Anhydrite & Red Bed
1465	1606	141	Anhydrite & Salt
1606	2014	408	Anhydrite
2014	2204	190	Anhydrite & Salt
2204	3050	846	Anhydrite & Lime
3050	3378	328	Lime
3378	3546	168	Lime & Salt
3546	8542	4996	Lime
8542	9778	1236	Lime & Shale
9778	9895	117	Lime
9895	10074	179	Lime & Shale
0074	10157	83	Lime
0157	11228	1071	Lime & Shale
1228	11282	54	Shale
1282	11322	40	Lime & Shale
1322	11340	18	Lime, Shale & Sand
1340	11402	62	Sand & Shale
1402	11671	269	Lime, Sand & Shale
1671	11732	61	Shale & Lime
			T.D. 11,732

Cities Service Oil Co.
#1 Merland "C"

Core #1 - 11,342-11,361 Cut & Rec. 19' Being 2-1/2' Shale, 5-1/2' Sand Stone, Med/Coarse Grained, 6' Sand Stone, Coarse Grained, 4' Shaley Sand Stone, Fine Gr., 1' Sand Stone, Coarse Grained.

Core #2 - 11,361-11,402 Cut 41' Rec. 36' Being 1-1/2' Sand Stone, Med/Coarse Grained, 3' Shaley Sand Stone, Fine Grained, 8' Shale, 3-1/2' Sand Stone, Fine/Med. Grained, 9' Sandy Shale, 4-1/2' Sand Stone, Med/Coarse Grained, 6-1/2' Shaley Sand, Fine Grained Did not Rec. Core From 11,397-11,402.